

"Marijana(pronounced
maari-yanna) and Dan Gee"
(b) (6)

04/13/2012 01:20 PM

To Elizabeth Allen

cc Farrer David G, "ESSENEINFO@aol.com", Gary Hale, Jae P
DOUGLAS, Karen BISHOP, Bobbi Lindberg, Dubrow
Matthew E, Richard Kauffman, Eron king

bcc

Subject Re: Testing.....

Thank you ,Elizabeth.

**I will contact the lab you gave me the link for and see if they can test milk,eggs
and honey we produce here.**

**In the letter I attached previously in this conversation ,Peter DeFazio
mentioned that Western Oregon had elevated dioxin levels since 1980's so my
questions to the team are:**

- 1.What is the measure that is currently considered elevated?**
- 2. Is this measure the same for all substances ?**
- 3. What is the elevated measure in human body?**
- 4. Is there a possibility since it was elevated then that it could of spiked in
time?**

**Thanks again,
Marijana**

On Fri, Apr 13, 2012 at 1:03 PM, Elizabeth Allen <Allen.Elizabeth@epamail.epa.gov> wrote:
Hi Marijana,

as I'm sure you're already aware, there is a lot of information available regarding dioxins. Just a reminder that as they are a persistent organic pollutant, and analytical chemists have become quite good at lowering the detection limits, it's pretty common to find trace concentrations of dioxins in most any media tested, with the possible exception of water. You may remember my discussion regarding the low volatility of the herbicides we're interested attempting to test. There is another physical law known as Henry's Law, which describes whether a particular chemical is likely to be found dissolved in water or whether it would volatilize into air. Dioxins aren't particularly volatile, but are so insoluble in water that they'll actually evaporate from water rather than dissolve.

EPA is in the process of re-evaluating the toxicity of dioxins, and just released the non-cancer assessment in February. You can find further information, including a link to a study about background concentrations at EPA's dioxin web page:
<http://cfpub.epa.gov/ncea/CFM/nceaQFind.cfm?keyword=Dioxin>

A quick Google search reveals a lot of labs that can perform dioxin analyses. The dioxin samples (including the fish samples) at the Portland Harbor Superfund site were analyzed by these folks: <http://www.axysanalytical.com/>

There are many other labs that also have the capability to analyze for dioxins in different media.

Elizabeth

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